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# HOT SPOTS

## OF HISTORY

Certain geographic areas of the earth have always been the festering zones of trouble and hatred, which inevitably burst into war.

To name a few from ancient times up to the present: the Fertile Crescent, Asia Minor, Germanic Gaul, Renaissance Italy, Reformation Germany, the Balkans and Alsace-Lorraine.

It seems the world was able to go along quite safely and sanely except for the periodic roiling up which started in these areas.

Industry has the same problem and the GRAIN HANDLING TRADE IS ONE OF INDUSTRY'S 'HOT SPOTS.' Without casting aspersions, grain elevators are veritable powder kegs in comparison with almost all other types of industrial plants.

Mixtures in the 'hot spot' countries, and in grain elevators are dangerous. The smart Superintendent says: "Get rid of the dust and you no longer have a dangerous mixture." H. H. Robertson Company says, "Call on us for scientifically designed equipment that will give protection to all the danger spots in your plant."



**ROBERTSON SAFETY VENTILATORS** remove fine explosive dust by a continuous gravity action and, in case of a blast, minimize destruction and the danger of a second explosion by continuously venting gases, flames and pressure.



**ROBERTSON CAPACITY BIN VENTILATORS** are guaranteed to not offer more than .0026 water gauge resistance and not less than 324% free area v.s. stack area. They prevent the stirring up of dust when the bin is being filled or emptied by providing **BALANCED** ventilation.



**ROBERTSON PROTECTED METAL** is a "service-proven" roofing and siding. It has great structural strength in its steel core, and is weather proof and corrosion-proof by virtue of its three factory-applied protective coatings.

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**Farmers Bank Bldg., Pittsburgh, Pa.**



# PRESIDENT POULTON

## *Asks Managements' Cooperation*

### In Fostering Society's Aims

*Greater Co-operation Between Management and Supers, More Whole-Hearted Participation in Association Responsibility—In Annual Safety Contests, Is Mandatory for Greater Progress, He Says.*

**I**N OFFERING my annual message to the members of this organization it is regretted there cannot be some real words of inspiration or importance to give you about the affairs of your Society. During the past year efforts were made to advance the worthwhileness of the Society, but tangible results from these efforts are lacking.

That this organization has its place in the life of the grain trade on the North American continent, there can be no doubt. Personally, I have always been of the opinion that the splendid aims and objectives of our Society should cause it to grow not only in size but also in importance. But frankly, I am unable to feel that such has been the case.

The question then arises—why, with such worthwhile objectives and selfless aims, has this Society not progressed as far as we should have liked to have seen it progress?

#### FIRMS GET THE BENEFIT

**F**IRSTLY, it is my personal opinion that the lack of recognition and wholehearted sponsorship by the managements of large elevator units, has in some measure contributed to the slowness of our growth. This lack of recognition or sponsorship has always been difficult for me to understand. Because any material gains made by this Society must directly be fed back to the firms with which our members are connected.

And further, I am definitely of the opinion that in proportion to the growth of our Association in both size and in the matter of accomplishments, the managements of grain handling plants are bound to benefit. We have accomplished many things for our individual members and shall continue to accomplish worthwhile achievements, but this most desirable state of affairs could more readily be reached if every grain executive on this Continent gave this Society his blessings and made sure his plant superintendent is one of us.

I should like at this time to suggest to each of our members that he lose no opportunity to discuss the affairs

of his Society with his superiors, and lose no chance to point out to them the true aims we have and that such aims are strictly in the very best interests of the grain trade as a whole.

#### SHOULD UNDERSTAND AIMS

**I** DESIRE to make a direct appeal to those gentlemen in the grain trade industry on this Continent who direct the destinies of both large and small plants, and ask them to make it their businesses to ascertain and understand the true aims and objectives of this Society of ours. If they will do that I am convinced they will very quickly perceive the benefits which can accrue to their best interests, by having their superintendents become active members of this organization.

I should like, also, to point out to them at this time that this Society does not interest itself in so-called "Trade secrets," nor the intimate conditions within company managements. Certainly not. We are only interested in learning the safest, the most economic and business-like manner in which to operate the plants placed in our care. We are not self-seeking and neither do we bind ourselves together in an effort to bolster our own personal ambitions.

#### SHOULD BE CLOSE TO BOSS

**A**N ELEVATOR superintendent should be close enough to his employer and be known by him as a responsible man who desires only to serve the very best interests of the firm with which he is connected. That, I am sure, constituted the main theme in the hearts and minds of our every member.

This appeal is made because we desire to see our technical Society grow and prosper and reach the goal set for it.

The Society's efforts in promoting safety contests were designed to save life and limb of the individual worker in our industry and to bring about a decrease in the cost of accident compensation. The contests have not been the downright successes they deserve to have been. The entries were altogether too small, and yet those hard working men who have directed the

contests have continued very laboriously to give of their services in an effort to make them successful.

The accident records of the plants which did enter the contests are extremely interesting and there can be no doubt that much pain and lost time has been saved for the workers in the competing plants, as well as monetary savings for the company managements.

#### SELL SAFETY CONTEST TO BOSS

**T**HE important matter of "safety" within our industry is worthy of everyone's best efforts and I should like to see the contests continued for another year. I should like to have every member of Society sell the "Safety contest" idea to his management so that the plant of every one of our members may be a participant in our next year's contests.

Another reason perhaps why this organization has not prospered as we should have liked to have seen it prosper may be found within our own organizational set-up. We have an imposing list of officers and directors, which most certainly includes the names of our most progressive minds in our line of endeavor, but it would seem to me they are too widely scattered geographically to bring their talents to bear on the problems which confront and will continue to confront our organization.

I should like to see some efforts put forth at the present sessions to bring about a more centralized slate of officers, small enough but with power enough to act and act promptly and decisively the very instant matters arise which call for action. Perhaps this question may come up for discussion later on in the course of this year's convention sessions and I would suggest that each and every one of you will give it some earnest consideration and be prepared to add something to such a discussion.

#### GIVE OFFICERS EVERY AID

**B**EFORE this convention has closed there will be a new slate of officers elected to serve you for the next year of our activities, and I should [Concluded Bottom Next Column]



# W A R

## Casts Ominous Shadows

### E. J. GRIMES DECLARES

It is indeed a privilege and a pleasure to be here this morning and greet you on the occasion of your Twelfth Annual Convention. It affords me great pleasure and satisfaction to welcome you to Minneapolis and to Minnesota, and, particularly, I desire to convey warm words of welcome and all good wishes to the members who are attending the convention from our sturdy and valiant neighbor to the north, Canada. I congratulate you on the excellent attendance at this convention.

**R**ECOGNIZING the positions of trust and responsibility members of your Association occupy in the grain and milling industry, the Minneapolis Chamber of Commerce is proud and pleased that you have chosen Minneapolis and the home of our grain exchange as the setting for your 1941 Convention.

On behalf of the Chamber of Commerce of Minneapolis, which is the name of our grain exchange, I desire to extend a cordial invitation to all of you to visit the grain exchange while you are here. I hope you can take time out from your deliberations to come down and look us over. I am sure you will see and hear many things of interest to you. If you have acquaint-

#### **Asks Managements' Co-operation**

like each and every one of you to resolve that it be your intention to give them your fullest support and co-operation.

I desire to thank the Trade press for the splendid support it has extended to our organization during my term of office, and bespeak the same support for my successor.

To our Minneapolis members, who have labored so hard and long in making preparations for this year's convention sessions, and who have provided us with so many interesting and instructive items to look forward to, I extend my sincere thanks and the thanks of every visiting delegate to Minneapolis.

**W**ELCOMING the Supers' Convention to Minneapolis, Mr. E. J. Grimes, Vice President of Cargill, Inc., brought home the role present world conditions force upon them. Probable power shortages, scarcity of repair and maintenance material, the oncoming wet harvest, supply of box cars, need for using combined ingenuity to find room for storing, personnel relations and sabotage are factors facing the alert Super. "Business," he warned, "will not be done 'as usual'."

ances on the exchange, come down and renew those friendships. Should this be your first visit to Minneapolis, we are especially eager to have you visit the exchange, meet its members, and make yourselves thoroughly at home. Your convention badge is your admission ticket to the Trading Floor.

#### **94,000,000 BUSHELS STORAGE**

**W**E believe we have reason to be justifiably proud of our exchange. It is one of the largest cash grain markets in the world. As is the custom on most United States grain exchanges, grain is sold on carlot samples displayed in the Trading Room of this exchange. Canadians among you will be interested in noting how this differs from the method of sale of grain on exchanges in Canada. The Minneapolis Chamber of Commerce and the Duluth Board of Trade are the core of the extensive grain marketing system of the Northwest.

For sixty years the Minneapolis Chamber of Commerce has been serving the producers of grain and seeds in the Northwest, and we believe it has served them well. Farmers have been provided with highly developed competitive cash grain markets, open every day in the year with the exception of Sundays and holidays. Capital has been poured into the construction of great flour mills, linseed crushing, malting and other grain processing plants in Minneapolis; 94,000,000 bushels of elevator space, the greatest concentration of warehouse space at any terminal market in the United States, is located here, ready to receive and house the surpluses of the Northwest.

#### **PIONEERED NORTHWEST**

**S**IDE by side with the farmers and the railroads, grain men and flour millers pioneered the Northwest. As Northwest grain production increased in volume, the grain industry expanded to meet the needs of the time. Now, four thousand country elevators dot our prairies. These country elevators are owned and operated by as highly competitive interests as exist anywhere in this country. Line elevator companies, independent elevator companies, and farmer co-operative elevator companies strive to outdo one another in service to the farmer.

Most line elevator companies in the Northwest maintain offices in Minneapolis and, of course, have membership on the Chamber of Commerce. Minneapolis grain commission houses, also members of the Minneapolis Chamber of Commerce, have devoted themselves assiduously to giving the independent and farmer co-operative elevator companies the fullest measure of market service. These commission houses also have provided the capital for the building of innumerable independent and farmer-owned elevators in the Northwest, and, in addition, often they have furnished their country clients with funds to finance their operations.

So, that is the background—highly developed and keenly competitive country and terminal markets devoted to serving the Northwest farmer and distributing his products to every part of this country, and to foreign lands when opportunity offers. You can well understand the Minneapolis grain exchange is an important part of this efficient integrated marketing



system, and, again, I cordially invite you to come down and see how it functions.

#### WAR CASTS OMINOUS SHADOW

**A**ND now I feel compelled to turn from these conventional and customary affairs of normal business life and dwell for a few moments on the grim realities of these trying days. The great conflict which is raging across the sea has cast its ominous shadow over the entire world. Nations not already actually involved in the war are preparing for war. Our country is rapidly driving ahead and arming itself for any eventuality in the desperate struggle in which free nations are engaged to preserve democratic principles of government and life.

The tempo of our national preparedness and national defense is being stepped up hour by hour. Great changes already have taken place in our internal economy, and still greater changes and adjustments are ahead for all of us. I am sure all of us realize the extreme gravity of the situation and the enormity of the tasks before us.

"We, in the grain and milling trades in the United States, must strive untiringly to do our full part in the tremendous work our country is undertaking. We will not be doing business "as usual." We will have to make sacrifices, and many of them. But if I know anything about the spirit of the grain and milling trades, and I think I do, I predict we will find them ready, willing and eager to contribute every possible aid in this national emergency. They will not shirk any responsibilities placed upon them.

#### POWER, BOX CAR SHORTAGE

**A**ND, so, it is altogether appropriate that you men, holding important pivotal positions in these industries, give attentive and thoughtful consideration at this Convention to the altered conditions which these industries will face under a national economy geared to preparation for war, or participation in war.

Already, we hear reports of an impending severe shortage of box-car equipment. The railroads are going to request, and should receive, the energetic and effective co-operation of the trade in accelerating the unloading and the loading of cars at elevators and mills. We must do our part to see that the highest possible utilization is made of the available car supply.

We, also, may be called upon to economize on the use of electric power and fuel.

#### PERSONNEL RELATIONS; PLANT MAINTENANCE; SABOTAGE

**L**ABOR relations, too, will require continuing careful study and attention; and you should make ample advance provision for securing materials for necessary plant repairs and also for equipment renewals.

Extraordinary precautions should be taken to protect your plants against sabotage. These are only a few of the new duties and responsibilities that you may, of necessity, be expected to assume as a consequence of the abnormal conditions created by war-time emergencies.

As is well known to those of you who are Superintendents of elevators in the United States, other changes, aside from the changes created by the National Defense Program, are taking place in the private enterprise system of handling grain in this country. I refer to the gradual assumption by agencies of the Department of Agriculture of more and more of the functions of the handling, storage, ownership and distribution of grain, heretofore performed by the private trades.

Today, our government owns or controls a very substantial percentage of the total corn stocks and supplies of the nations, and, in a very short time, it will assume almost complete control over approximately 200,000,000 bushels of wheat. The location for storage and the removal and sale of these huge stocks of corn and wheat are entirely in their hands. These stocks consist of corn and wheat from crops produced in 1940 or earlier years, plus some stocks of barley and rye.

#### MUST MAKE MORE ROOM

**F**OR some time past, the government has been engaged in moving quantities of wheat from the area of production in the Winter wheat belt into unoccupied elevator space in other sections of the country, in order to make all possible room for the oncoming movement of the 1941 Winter wheat crop. Likewise, preliminary steps now are being taken here in the Northwest by the government to move grain out of the country and terminal elevators to make way for the new Spring wheat crop movement, which will be ready to leave the farms in about six weeks.

We have every reason to believe producers in both the Winter and Spring wheat sections, notwithstanding some increases in farm storage facilities, will want to follow their habitual and long-standing practice of moving substantial quantities of freshly-harvested wheat into country elevators for storage or sale. This heavy burden placed on the country warehouses when it comes, of course, will have to be distributed to terminal and sub-terminal elevators. Here in the Northwest, and in the Southwest as well, the magnitude of the task of providing storage facilities for this new crop movement of wheat is fully realized by the government and by the trade.

In recent weeks, committees composed of representatives of Commodity Credit Corporation and Agricultural Adjustment Administration, the railroads, co-operative organizations, and all departments of the grain and mill-

ing trades have been formed for the purpose of tackling this big problem. This very constructive move was sponsored and initiated by Secretary of Agriculture Wickard. He appointed Mr. J. E. Wells, Jr., of the Farm Credit Administration, Washington, to the office of Special Assistant to the Secretary of Agriculture, to head this important undertaking. Mr. Wells has conducted meetings in all of the principal markets of the country during the past month, and committees are now functioning in every important section of the country.

#### REPORT WEEKLY ON SPACE

**T**HESE committees will assemble and compile information on rated capacities and available empty space of all country, terminal, and sub-terminal elevators, and of all storage attached to flour mills, feed mills, malt houses, and linseed and soya bean crushing plants. This information will be gathered weekly through the crop movement period, and reports will be compiled and issued every Tuesday. This information will be of inestimable value in systematizing the movement of grain, and in making it possible to secure the maximum utilization of storage space throughout the country. I am confident that, with all hands pitching in and doing their level best, the joint-efforts of all will be crowned with a high degree of success.

#### CONSOLIDATE LOTS OF GRAIN; WET HARVEST

**Y**OU elevator Superintendents can contribute invaluable assistance to this undertaking in the key positions you hold in the industry. Your ingenuity and experience will be put to the test to see that your plants carry their maximum storages of grain at all times. This past year there has been considerable space lost and wasted in many plants by having bins only partially filled. We hope the C.C.C., now that it has acquired control of the 1940 wheat stocks in terminal elevators, will do all it can to reduce waste space to a minimum by the consolidation of lots and grades.

Another challenge to your skill and resourcefulness this year may appear in the form of wet harvests. The threat of one in Texas and Oklahoma, at the present time, seems very real. I am sure, however, that whatever the occasion, you will rise to it and acquit yourselves with credit to your craft and to the trade.

#### EXTRAORDINARY CONDITIONS

**A**ND, so, in review, may I point out again that the grain and milling trades, of which you are an important part, are faced with two important crises this Summer and Fall: one occasioned by the abnormal conditions created by war, and the other created by the extraordinary conditions surrounding the handling, transporting and warehousing of unprecedentedly large supplies of government



controlled and new-crop grains. In these emergencies, the grain and milling trades aspire to serve faithfully and efficiently. I have unbounded confidence in the capacity of the men and of the organizations in our great marketing system to cope successfully with these emergencies.

I am sure the government agencies intend to work in close harmony with the trade. With this kind of teamwork we will not fail. Even though I feel the government and the trade will receive, without the asking, the sincere and enthusiastic support and cooperation of you men in these emergencies, nevertheless I desire to register with you now (in fact, with all departments of the grain and processing trades), an earnest appeal that all of you should contribute every constructive bit of help you can to these important tasks before us.

#### THEIR SERVICES INDISPENSABLE

**I** ASK this, knowing full well that some departments of the trade have been more or less neglected by the government agencies in their operations. I refer to cash commission houses, and to merchandisers and distributors of grain. I trust I am not indulging in a vain hope when I say I hope our Department of Agriculture may soon restore these deserving entrepreneurs to their proper sphere of usefulness, by engaging their services when making disposal of government grain.

For these middlemen earn their keep. Their jobs are not sinecures. The services and functions performed by them and their trained and worthy employees are essential and quite indispensable in marketing grain. The normal commission they receive is consumed largely by items of operating expense, such as wages, telegraph and telephone tolls, and hent.

Of course, the government can build and train a personnel and perform this work itself, but is that not inconsistent with the basic devotion of the American people and their government to the principles of private enterprise and, incidentally, to the democratic processes of life?

#### STANDING SHOULDER TO SHOULDER

**I** OFFER an apology to Canadians among you for having directed my remarks almost exclusively to problems confronting us here in the United States. I know full well you are faced with grave problems, too, created by somewhat the same set of conditions as we have here in the United States. From reports I have received, however, I understand the Canadian government and the trades are standing shoulder to shoulder meeting and surmounting these emergencies with courage, calmness and intelligence.

Usually, our city is at its loveliest in June, and this June is no exception. I hope, after you have finished with the important work of this convention, you will stay with us a while before

you return to your homes and your workaday lives. You will enjoy seeing our lakes, our homes and our many beautiful drives. You can test your golfing skill at any one of many grand courses in and near the city. Visit our splendid stores.

#### VISIT GRAIN PLANTS

**G**O over and see the campus and buildings of the University of Minnesota, one of the foremost educational institutions in the United States, and the Alma Mater of great football teams. And, of course, you will want to take a postman's holiday and visit some of our many grain elevators, great flour mills, and linseed plants.

And, then, do not forget that stretching away to the South, West and North of Minneapolis, lies the great state of Minnesota, famed for its thousands and thousands of lakes, its fishing, and its vacation playgrounds. I hope you visitors from other parts of the country and from Canada will take a good tip from me and see more of our state while you are here. If you haven't the time now, plan to come back and vacation with us.

In closing, again I say it is a pleasure and a privilege to be here today and to welcome you to Minneapolis and to Minnesota. Also, I extend to you my best wishes for a successful and interesting Convention. Thank you and good luck.

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**LARVACIDE PUTS A QUICK CRIMP IN THE  
ACTIVITIES OF MOTH, WEEVIL, MITES, LESSER  
GRAIN BORERS AND OTHER GRAIN PESTS  
... INCLUDING RODENTS!**

Larvacide is easy to apply, inexpensive to use . . . and it does the sort of job you've *hoped* for.

Forestall trouble by treating incoming infested grain. . . . Treat bin bottoms to clean up any lingering infestation lying in wait for new grain. . . . Treat grain while turning, for low cost insurance against pest damage.

Periodic use of Larvacide materially reduces or practically eliminates rodents from the premises.

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Cylinders, 25-180 lbs., and 1 lb. Bottles, each in safety can, 6 and 12 to wooden case. Stocked in major cities.

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# SUPERS' SOCIETY

## Graduates Into 'Teens

AT OUTSTANDING CONFAB



President-Elect Paul H. Christensen was General Convention Chairman.



President Percy C. Poulton received wide acclaim for his splendid work.

**F**ORTUNATE Delegates to the 12th Annual Conference of the Society of Grain Elevator Superintendents, Held in Minneapolis, June 9-11th, Acclaim This One of the Most Meaty Affairs in Their Under-Teen Years . . . Vitamins, Food for Thought as It Were, Abounded Plentifully for Another Year's Separation . . . Attendance Was Away Up; Would Have Been Higher Except for Government Grain Movement . . . Questions and Answers and Round-Table Programs Mark New Highs . . . New Innovations Discussed and Demonstrated Capture Convention's Interest . . . Sixty Ladies Attend, Tying Fort William-Port Arthur Record . . . To Try Thursday-Friday-Saturday Convention Next, This in Omaha, April 2-3-4.

**E**VERYONE is "Happy About the Whole Thing!" And everyone ought to be, for without question the recently convened Minneapolis convention will go down permanently in the records as one of the finest conference meetings the Superintendents' Society has held.

Work, and plenty of it for months in advance of the convention, was evidenced by the splendid manner in which the business sessions and arrangements were carried through without a flaw. Occasionally a speaker here or there was unable to be present, but the many able presiding officers saw to it that there wasn't the slightest "hitch" in the sessions' continuity always being successful in persuading some capable authority to "pinch-hit" for the absentee.

Most of the sessions were very well attended. The discussions waxed hot and lively. As a matter of fact the entire proceedings were apparently so packed full of solid "meat" that doubtless everyone present at this year's gathering (plus all those that hear about it) will be present at the Omaha conference next April. The Questions and Answers sessions, and the Round-Table meet were highly successful, so much so the Society will doubtless expand these two popular features next year. But on to the proceedings.

### ENLIGHTEN THE BOSS!

**M**ANAGERS should receive detailed written reports of the convention proceedings, in the opinion of the officers and directors meeting Sunday, and arrangements were announced of promptly getting a summary into every Superintendent-members' hands.

So that every member may keep well informed as to the discussions taking place in each of the Chapters, the Executive Committee instructed each Chapter President to appoint a committee to assist the Chapter Secretary in gathering and formulating information regarding all pertinent matters transpiring within each group meeting of interest to Management and the membership at large—the information to be forwarded to the Secretary (although none was elected) and promptly distributed.

Offering one or more of the Society's outstanding members to appear on the program of the Grain & Feed Dealers National Association's convention in Toledo, September 14-16 was next proposed, the object being to acquaint more of the Managers with the progressive and profitable objectives of the Superintendents' Society.

The Bosses should be sold, too, on entering their plants in the Society's Safety Contest, according to President Percy C. Poulton, N. M. Patterson & Co., Ltd., Fort William. "Not enough of the Superintendent-members are themselves sold on the undertaking," according to Past President Ed Raether, Superintendent of Buildings, Minneapolis Chamber of Commerce.

A Safety Manual prepared by Safety Contest Director Clarence W. Turning is to be released before long, according to an announcement during discussions by Gilbert P. Lane, Arcady Farms Milling Company, Riverdale; Malcolm M. Noxon, Ralston-Purina Company, Minneapolis; Oscar W. Olsen, Peavey Duluth (Minn.) Terminal Elevator; H. L. Heinrichson, Terminal Grain Corporation, Sioux City; President Poulton and others.

How best to make a Chapter succeed, Committee responsibility, and a group of kindred matters pertinent to this far-flung group occupied the balance of the day, along with committee meetings, and so forth.

A "get-acquainted" roundelay took place Sunday evening through the courtesy of the Associate members.

### CHANGING TIDES OF BUSINESS

**I**N opening the well attended Monday morning session, President Percy C. Poulton, N. M. Paterson & Company, Ltd., Fort William, paid the compliments of the association to the hard-working Minneapolis Chapter for the splendid work they had done in drafting such a worthwhile convention, and to the gracious Minneapolis Chamber of Commerce for their whole-hearted support.

Before welcoming the convention to Minneapolis on behalf of the Grain Exchange as well as the city, Mr. Edward J. Grimes, Vice President of Cargill, Inc., said he'd talk to the weatherman about turning on a little sunshine, and encouraged his listeners to spend some time visiting around the city, the University campus, the grain handling and processing plants, not to mention the many beautiful lakes for which Minnesota is so justly proud.

Following his comprehensive outline of the structure of the grain handling industry in the Northwest, Mr. Grimes emphasized the changing tides within the trade wrought by the defense program. His enlightening and studious summary is published in this number.

Capable President Poulton followed with his address, also published this month. Extemporaneously he also urged an executive committee of two



or three within a figurative arm's length of the President's desk to be empowered with making all necessary decisions for the welfare of the entire body.

Well out of the red for the first time in several years, Secretary-Treasurer Dean M. Clark, Chicago, gave the membership the good news along with his annual report.

President Poulton asked for the whole-hearted support of the membership in helping to build up the membership still further.

#### ALL ABOUT FLAX

**M**R. J. T. CULHANE, Manager of Spencer Kellogg & Sons, Minneapolis, told his attentive listeners many interesting facts about flax, describing its handling and use both here and abroad. Linseed oil is being extensively used in foods in Europe, he said, because of the shortage of fats. Changing world conditions is resulting in more attention being given to this crop. His pertinent remarks will be published shortly.

#### SCIENTIFIC BINNING OF WHEAT

**"N**O two crops are alike," according to Mr. Harry R. Clark, Chief Grain Inspector and Chief Weighmaster of the Omaha Grain Exchange, in discussing what the Superintendent could do to provide wheat with properties desirable to the flour miller. "Wheat sold on the basis of its milling and baking qualities usually commands a premium," he pointed out. "Flour enrichment has introduced another factor into the picture, as thiamin content is important to the miller from the cost standpoint." His enlightening talk will appear soon.

#### OPEN FORUM ON CORN

**O**PENING one of the most controversial subjects within the trade, First Vice President Paul H. Christensen, Van Dusen Harrington Company, Minneapolis, conducted a highly fascinating open forum on the "Storing and Conditioning of Corn." Discussion brought out that there is no definite point at which moisture alone governs the keeping qualities of this treacherous grain. Immature corn has a higher rate of respiration and consequently is more difficult to store, whereas properly field-cured corn causes less consternation.

Corn having a moderate natural

moisture content keeps much better than that dried down to the same percentage, according to the consensus of opinion. Lots of different moisture contents take as much as 17 days to equalize when they are mixed, it was agreed. Further details of this lively discussion, which carried over into two other sessions, will appear shortly.

Committees selected by President Poulton were:

**NOMINATIONS:** Roy Heinrichson, Terminal Grain Corporation, Sioux City; Harold Wilber, A. E. Staley Mfg. Company, Decatur; Oscar Olsen, Peavey Duluth (Minn.) Terminal

**PROGRAM:** H. L. Heinrichson, Terminal Grain Corporation, Sioux City; Charles Walker, Archer-Daniels-Midland Company, Omaha, and M. M. Darling, Zorn & Company, Louisville.

**SAFETY:** Oscar Olsen, Peavey Duluth (Minn.) Terminal Elevator; F. E. "Slim" Carlson, Occident Terminal Division, Russell-Miller Milling Company, Duluth, and John Lyle, Ralston-Purina Company, Buffalo.

#### CO-OPERATION BETWEEN THE BOSS AND THE SUPER

**"W**HAT Co-operation Between the Managers and the Superintendents Can Mean," was the pertinent after-luncheon address delivered by Mr. E. S. Ferguson, President of the Atlantic Elevator Company, Minneapolis, and head of the Minneapolis Chamber of Commerce. "The man in charge of a grain handling plant is himself a manager," Mr. Ferguson pointed out, "much more so than is the case in many other industries. Co-operation with company officials is not now merely something to be desired but rather is an accomplished fact," he pointed out, giving the credit to the association the Superintendents had built up.

Striking a keynote of "preparation," Mr. Ferguson voiced the thought that many problems must be met this year, problems concerning the vagaries of harvest, not to mention with the crisis developing because of war. His address is to appear shortly.

#### CARGILL CROP FILM

**M**ETHODS of wheat cultivation from early times to the present, various types of combine harvesters at work, including one which cuts the grain and allows it to fall and lie several days before threshing—thus accomplishing full maturity of the crop, were shown by Mr. Robert Jaccard of Cargill, Inc., Minneapolis. Scenes all up and down the North American continent gave a broad insight into the growing and harvesting conditions having a direct bearing upon the quality and condition thereof when received at market.

#### NEW WHEAT VARIETIES

**W**ITH this harvest "atmosphere" in their nostrils, the audience listened attentively to H. R. "Cy" Sumner, Agricultural Department, Peavey

#### 1941-42 OFFICERS

President: Paul H. Christensen, Van Dusen Harrington Company, Minneapolis.

Vice-President for Program: Gilbert P. Lane, Arcady Farms Milling Company, Riverdale, Ill.

Vice-President for Membership: R. B. Pow, Reliance Grain Company, Ltd., Port Arthur.

#### DIRECTORS FOR THREE YEARS

Edward E. Frauenheim, Jr., Buffalo (N. Y.) Forwarding Corporation.

Harold Wilber, A. E. Staley Mfg. Company, Decatur.

H. L. Heinrichson, Terminal Grain Corporation, Sioux City.

#### DIRECTORS FOR TWO YEARS

Andrew Rankine, Canada Malting Company, Ltd., Montreal.

Herbert C. Brand, Quaker Oats Company, Cedar Rapids.

W. A. Thomson, Jr., Thomson Grain Elevator Company, Louisville.

#### DIRECTORS FOR ONE YEAR

R. E. Garber, Enid Elevator Corporation, Enid.

Jack Smith, Sarnia (Ont.) Elevator Company, Ltd.

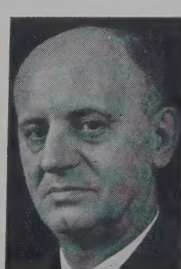
Peyton A. Kier, Standard Milling Company, Kansas City.

Elevator, and Lewis Inks, Quaker Oats Company, Akron, Ohio.

**RESOLUTIONS:** Herbert C. Brand, Quaker Oats Company, Cedar Rapids; Lou Ambler, The Glidden Company, Chicago, and T. L. Musser, Western Stevedoring Company, Erie, Pa.

**AUDITING:** Claude Darbe, Simonds-Shields-Theis Grain Company, Kansas City; Don Loney, Ogilvie Flour Mills Company, Ltd., Fort William, and Vincent Shea, Van Dusen Harrington Company, Minneapolis.

First Vice President Lane—Second Vice President Pow—Directors Frauenheim—Wilber—Heinrikson—Brand





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General Offices and Factories, Akron, Ohio



Director Thomson  
Louisville



Director Garber  
Enid



Director Smith  
Sarnia



Minneapolis Chapter  
President Losie Had  
His Hands Full



Program Chairman  
Coughlin Did Out-  
standing Job

Elevator Company, Minneapolis, follow with his discussion of "New Wheat Varieties the Superintendent Should Know About." Mr. Sumner said he "knew the Supers wanted to hear him state that there were going to be fewer varieties with the coming years, but that that could not be expected." He did point out, however, that the various commercial wheat improvement associations are working towards eliminating many undesirable varieties, but that the agricultural colleges are constantly developing new strains very rapidly.

In urging everyone to get behind the work of the commercial wheat improvement associations, Mr. Sumner illustrated how they are being successful in bringing up the percentage of bread grains being raised in many sections, whereas less desirable strains were dwindling. "Formerly it was thought that wheat varieties could not really be identified by kernel characteristics," Mr. Sumner stated, "but today such identification is not only possible but is being constantly conducted successfully. Study will make anyone adept in this art, both easily and positively," he claimed.

### GRAIN TEMPERATURES

**D**IFFERENTIATION between heat and temperature and between the mere observing of temperatures and a rational interpretation of the significance of temperature changes were delved into by Harold C. Wilber, A. E. Staley Mfg. Company, Decatur, Illinois, under the heading of "Expeditions Into Grain Temperatures."

The natural phenomena through which living matter is broken down in order that other things may build up and live—the process of destructive metabolism—Mr. Wilber showed occurs when grain deteriorates in storage, evolving heat, matter being wasted because the destructive evolution serve no useful purposes.

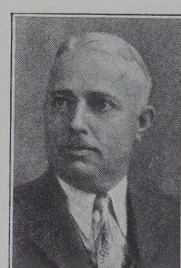
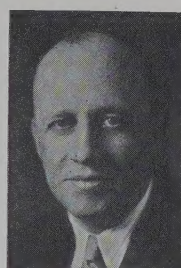
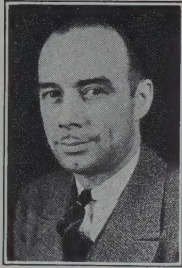
"Provide an environment," Mr. Wilber cautioned, "which will prevent the action of forces tending to useless destruction, first, because it is your job to preserve the value of the grains which are entrusted to your care, and second, because by so preserving same until the proper time then the properties thereof can be utilized to mankind's best use." Mr. Wilber's talk will appear in print soon.

### GRADING AND EVALUATING WHEATS

**T**EST weight is by no means an infallible criterion of milling value," according to Mr. Edgar S. Miller, Editor, Milling Production, Minneapolis, in discussing present methods of grading and evaluating wheats under the heading of "Sizing Wheat For The Miller." "No, not with respect to the quality of flour a bushel of it might be expected to yield."

Mr. Miller advocated the substitu-





James Auld, left, Hales & Hunter Company, Minneapolis Chapter Secretary-Treasurer, was watch-dog of the "hill"; Malcolm M. Noxon, Ralston Purina Company, Minneapolis, had his hands full with sixty wives; Ed Raether, Superintendent of Buildings, Minneapolis Chamber of Commerce, kept things humming; Oscar W. Olsen, Peavey Duluth (Minn.) Terminal Elevator, reported on the Society's Safety Contest accomplishments; Chester J. Alger, Corn Products Refining Company, Argo, told "all" about dust explosions—put on a demonstration with Minneapolis dusts, and William H. Gassler, Rosenbaum Brothers, Chicago, prepared a paper on his new innovation, a powerful magnetic separator for terminals—told what it collected in a day.

tion of width dimensions of berries for test weight figures, with other factors retained. His worth-while address will be presented for closer study.

#### FARM LOAN PROGRAM NOT THE SOLUTION

**T**HE constantly increasing part in the grain trade that the government has taken was emphasized by Mr. F. Peavey Heffelfinger, President of the Peavey Elevator Company, Minneapolis, and Chairman of the National Grain Trade Council in addressing the Monday evening mixed dinner meeting on "Legislative Trends as They Affect Grain Handling and Grain Processing Plants."

The present farm loan program is not the solution to the farm problem, he said, but is only a substitute for something better but as yet undiscovered. Mr. Heffelfinger's splendid thoughts will appear in print shortly.

#### POSTMEN'S HOLIDAY

**T**RUE to custom the convention put on their walking shoes and devoted Tuesday morning to plant tours, first combing through the fascinating Northrup, King & Company's feed and seed plant, followed with a trip through the Pillsbury Flour Mills. Prior to the trip the delegates were pleased with the opportunity to visit on the trading floor of the Minneapolis Chamber. The busses provided by the Minneapolis Chapter and the

Minneapolis Chamber, landed their occupants at the luxurious Coffman Memorial Building of the University of Minnesota where, following luncheon, Dr. C. H. Bailey, Agricultural College Dean, gave the conventioners a word-picture of the relation of governmental research institutions to the technology of grain storage and marketing. He reviewed the work undertaken and under way and explained how their findings are being utilized.

Dr. H. H. Shepard, Entomologist, U. of M. Agricultural Experiment Station, discussed grain fumigation studies. His talk will appear soon.

#### BARLEY FOR THE MALTSTER

**"B**ARLEY is one of the oldest known grains," Mr. M. E. Grant, Manager, Barley Department, Brooks Elevator Corporation, Minneapolis, told his listeners, in giving a very helpful dissertation on "Barley For The Maltsters." He described each of the better known varieties in his address, which will appear soon.

#### HANDLING SOY BEANS

**L**OU AMBLER, Vice President of the Chicago Chapter of the Society, with the Glidden Company, gave a most helpful discussion on the "Handling and Storing of Soybeans," which will be published soon. "We have never experienced any real difficulty in handling soybeans," he told his anxious listeners, in describing the uses to which various varieties are put.

#### PLANT SUPERVISION

**"P**LANT Supervision" was ably handled by Mr. Arthur D. Hyde, Director of Manufacture, General Mills, Inc., Minneapolis. He outlined the many elements which must be taken into consideration to successfully supervise any plant, large or small, particularly emphasizing the desirability of closer working relationships between Management and plant key-men. His excellent thoughts will be published as soon as possible.

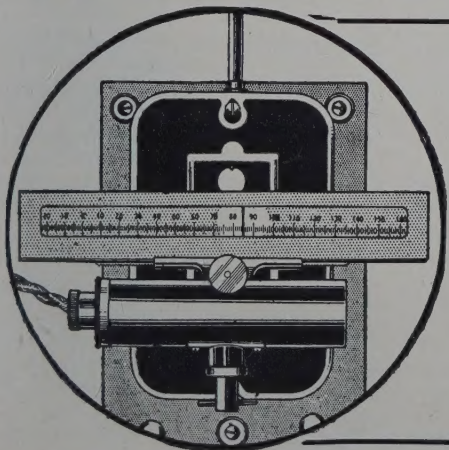
#### PERSONNEL RELATIONS

**M**R. F. TOTTEN HEFFELFINGER, President, Van Dusen Harrington Company, Minneapolis, told of the principles followed by his company in their enviable personnel relations program. They have a quite definite plan which they follow and Mr. Heffelfinger told of the reactions thereto. His remarks will appear in an early issue.

#### ENTER SOCIETY'S SAFETY CONTEST!

**E**MPHASIZING the advantages of entering the association's safety contest, Oscar W. Olsen, Peavey Duluth (Minn.) Terminal Elevator, chairman of the Contest Committee, called upon the membership to not only sell themselves on the program but to convince Management of its advisability.

Herbert C. Brand, Quaker Oats Company, Cedar Rapids, showed what his company had accomplished with



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**Get efficient Grain Bin temperature recording.**

THE ZELENY THERMOMETER SYSTEM will give you the temperature instantly of each bin at varying depths. It protects you from loss by heating grain.

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Pat. Pending

"Nu-Hy" Buckets are of welded one-piece construction . . . smooth inside and out.

their safety program; pointed out how accidents had been materially reduced and how the esprit-de-corps was elevated as a consequence. His remarks will be forthcoming.

#### SAFETY TROPHIES

**R**EPORTING on the splendid results of this last year's safety program, Safety Contest Director Clarence W. Turning, Minneapolis, revealed the statistics piled up. "Eight entrees came through the year without a scratch," he said, "while others, with huge man-hour figures, really earned themselves recognition through their low frequency and severity rates." Full details will be published next month along with an engraving of the beautiful trophies the Society awarded.



F. E. "Slim" Carlson spoke on "Safety at Its Best," and James G. Hayhoe prepared a treatise on "Protective Maintenance"—both excellent.

Frank E. "Slim" Carlson, Occident Terminal Division, Russell-Miller Milling Company, Duluth, polished off the afternoon's safety program presided over by Chairman Olsen, with his talk on "Safety At Its Best," which will appear soon.

#### DUST EXPLOSION SESSION

**T**URNING over the Tuesday evening program to the grain handling and processing plant crews,

Chester J. Alger, Corn Products Refining Company, Argo, Ill., put on a most convincing demonstration with the dusts from various local plants. With the aid of Frank A. Hasse of the same company, they showed just how dangerous accumulations of these grain particles were. Although the flour tested did not blow any too well, the other grain dusts gave the audience of some five or six hundred plenty to ponder over.

Mr. W. Dean Keefer, Chief Engineer, Lumbermens Mutual Casualty Company, Chicago, followed through with a timely safety talk under the heading of "Safety Is Smart Business For You." He showed how the practices of good safety measures were mandatory for their own protection as well as that of their jobs.

#### STATIC: IS IT SAFE OR NOT?

**G**ROVER C. MEYER, Kansas City (Mo.) Power & Light Company, practically convinced the convention that static electricity was a bugaboo, but H. I. Willeford, Engineer of Marsh & McLennan, Inc., Minneapolis, took the opposite stand. Our readers will be much interested in both sides of this question, particularly in face of recommendations for grounding legs which the National Fire Protection Association is promulgating.

Mr. Meyer seriously questioned the charge that static flashes have ever been responsible for explosions. "The amperage of a static charge is low and the voltage responsible for a discharge is high," he pointed out. He also reminded his listeners that "electrical resistances are very different in connection with high as contrasted to low frequencies," in touching on the subject of grounding devices. "A grounding agency might actually do more harm than good if, because of 'chok-

ing,' a charge was emitted before the ground was reached," he warned.

Mr. Willeford sought to present evidence proving that static was the igniting factor in many blasts.

#### MAGNETIC SEPARATORS FOR LEGS

**M**AGNETIC Separator Protection for Legs, something brand new in faster grain handling plants of the terminal and sub-terminal classification, was a treatise dived into by Frank A. Hasse in the absence of its author, Mr. William H. Gassler, Calumet Elevator, Rosenbaum Brothers, Chicago. In rebuilding that plant two special magnetic separators were installed and the amount of debris collected has exceeded the expectations of everyone. The Chicago Chapter saw the metal collected by this device, which hangs over the belt running from the car dumper to the boot. They were surprised that as much and as great a variety of spark-producing metals could find their way into an innocent car of grain.

#### NEW SUCTION-VENTING CODE

**K**ENT H. PARKER, Western Actuarial Bureau, Chicago, Chairman of the sub-committee of the Dust Explosion Hazards Committee of the National Fire Protection Association, which drafted this recently approved



Claude Darbe spoke on "Blocs"; Fred Sibbald told how to "git" mites.

suction-venting code, told in detail how the elimination of floating dusts through the application of suction or venting equipment would help to minimize dust accumulations and consequently lessen the force of any explosions which might occur—to say nothing of minimizing the problem of housekeeping. His talk will appear shortly.

#### MODERNIZATION AND OPERATION ENGINEERING

**M.**DWIGHT BELL, Consulting Engineer, Minneapolis, gave a highly illuminating talk on the subject of "Modernization and Operation Engineering" in which he showed how costs might be reduced and how best to approach the problem.

"Protective Maintenance," an able address prepared by James G. Hayhoe of Cargill, Inc., was read in his absence by Jack J. Coughlin, Brooks Elevator Corporation, Minneapolis. (Jack was the Program Chairman for this annual confab, and he and his capable committee did a fine job of it.) Mr. Hayhoe's talk gave the whys and



wherefores of this timely subject, and added justifiable importance to this portion of every operator's responsibility.

#### NEW CAR UNLOADER

**B**UT the business session lost its customary pattern when Edward E. Frauenheim, Jr., Buffalo (N. Y.) Forwarding Corporation, demonstrated his unique model car unloader. This device, illustrated in our last number, has adjustable clamps in either end of the boxcar from which the shovels work back and forth automatically, unloading the grain without the need for a shoveler guiding the shovels. In addition, his new model has a door opener arrangement which saves grain doors. The capacity of this redesigned rig is six cars an hour. "Uncle" Henry Richardson, Richardson Scale Company, Clifton, N. J., likewise divulged his ideas for a new car unloader which were quite revolutionary as well as intriguing.

#### KERNEL SIZE NEW YARDSTICK

**T**EST Weight is not a satisfactory index of milling value," Mr. Walter H. Mills, Vice President of General Mills, Inc., Minneapolis, revealed. "Kernel size is a better indication of the flour yield that may be expected whereas test weight is not even a criterion." Mr. Mills spoke on "The Kind Of Wheat The Miller Desires," and stated quite frankly that while the miller would much prefer virgin wheat, nevertheless he recognized the important role performed by the terminal elevator, and admitted that uniformity could not be obtained without the great handling and storing facilities of the modern grain elevator.

"There has been a great change in the demands of bakers within the past three or four years," he said. "There is still a place for high gluten flour, but generally the large baking concerns now want a milder flour having a shorter mixing time and fermentation period. There are also two or more classes of flours required for 'Family' trade, the rural housewife requiring one type and the urban housewife another."

Mr. Mills also touched upon the economics of the world today and the position of this continent in world affairs, much to the delight of his listeners.

#### ROUND-TABLE SESSION SUCCESSFUL

**W**HILE the period remaining for the round-table session was short on time, yet what it lacked in quantity it made up for in quality. Mr. Vincent Shea, Van Dusen Harrington Company, Minneapolis, Vice President of that Chapter (and newly elected President) directed this part of the session. From the many good ideas developing therefrom it would appear that more time will be devoted to this new creation in another convention. Details will appear later.

Following the election of Officers and new Directors, the convention adjourned into the annual Social Hour provided through the courtesy of the Society's Associate Members, and thence to the annual banquet.

#### FIRST LADIES RECOGNIZED

**R**ECOGNIZING the Society's "First" Ladies, Banquet Chairman Grover C. Meyer, Kansas City (Mo.) Power & Light Company, introduced Mrs. Percy C. Poulton of Fort William, wife of the able President. When she stated she feared she might have to miss next year's convention at Omaha a kidnapping squad was appointed to assure her presence. Mrs. Paul H. Christensen, wife of the new head of the Society, was likewise presented amid wide acclaim.

President Poulton and President-Elect Christensen both contributed commendable thoughts to the successful affair before the meeting was turned over to Safety Contest Director Clarence W. Turning to make the gorgeous safety and membership awards. (We'll give you all the details next month.)

Entertainment followed by dancing concluded one of the most successful conventions the Society has held. While the registration was under 100, nevertheless from the number of meals paid for at the various luncheon and dinner functions there must have been upwards to 155 present, as nearly as can be calculated. Omaha, April 2-3-4, was selected for the 1942 meet. This is a departure from the usual arrangement, these dates falling upon a Thursday, Friday and Saturday—thus giving the delegates the first and more important part of the week at their plants.

#### CONVENTION NOTES

**B**EAUTIFUL corsages were presented to each of the sixty women present by Russell B. Maas, Vice President of the Screw Conveyor Corporation, Hammond, Ind. Was he ever a popular man.

Virginia peanut ham was the talk of the convention—apparently everyone present having been up in Hy Arendall's (Innis, Speiden & Company) room for several samples. John Andrews, Northland Supply Company, Ltd., Fort William; Lee Atherton, W. S. Nott Company, Minneapolis; Frank Blodgett, The Weevil-Cide Company, Kansas City; Jack Gibson, Hallet-Carey-Swart Company, Ltd., Fort William; Charles Ingram, Victor Reid, H. H. Van Ornum and staff, Hart-Carter Company, Minneapolis; A. B. Osgood, Hill Shepardson and Art Larson, The Day Company, Minneapolis; George Patchin, Appraisal Service Company, Minneapolis; Charles Phillips, Seedboro Equipment Company, Chicago; C. C. Gray and Victor Oliver, Superior Separator Company, Minneapolis, and many others graciously helped every-

one to have a most pleasant visit during the off-hours of the convention, few as they were.

To the Minneapolis Chapter, to Mr. and Mrs. F. Maynard Losie, Chapter President; to Mr. and Mrs. Jack Coughlin, Program Chairman; to Mr. and Mrs. James Auld, Convention Comptroller; to all the chairmen and their wives, to all committeemen and their wives, to all the Chapter folks who contributed so generously of their time and effort to make this convention such an outstanding success, the praises of the convention deservedly went—not to mention to Mr. and Mrs. Paul H. Christensen, general convention mogul—now national President.

Equal praises go to the Associate members, too, who so generously contributed the wherewithal for the social hours, the entertainment and the dancing. They are:

Seedboro Equipment Company, Chicago;

Screw Conveyor Corporation, Hammond;

B. F. Goodrich Company, Chicago;

R. R. Howell Company, Minneapolis;

The Day Company, Minneapolis;

John S. Metcalf Company, Chicago;

Great Western Mfg. Company, Leavenworth, Kans.;

Barnett & Record Company, Minneapolis;

Industrial Electric Company, Minneapolis;

Superior Separator Company, Minneapolis;

Leighton Steere Belting Company, Minneapolis;

Strong-Scott Mfg. Company, Minneapolis;

Horner & Wyatt, Kansas City;

Zeleny Thermometer Company, Chicago;

Hart-Carter Company, Minneapolis;

Richardson Scale Company, Clifton, N. J.;

Nelson Sheet Metal Works, Minneapolis;

W. D. Allen Mfg. Company, Chicago;

Kansas City (Mo.) Power & Light Company;

The Weevil-Cide Company, Kansas City;

W. S. Nott Company, Minneapolis;

Appraisal Service Company, Minneapolis;

Hallet-Carey-Swart, Ltd, Fort William;

Hart-Emerson Company, Ltd., Winnipeg;

Northland Machinery & Supply Company, Ltd., Fort William;

Kent Equipment Company, Chicago, and

Innis, Speiden & Company, New York.

#### CHAMBER ENTERTAINS LADIES

**T**HE Minneapolis Chamber of Commerce certainly were most gracious in their generous entertainment of the visiting ladies. Sightsee-



ing trips, luncheons, shopping tours, visiting, plus dinner with the men on Monday and Wednesday evenings, made their stay most pleasant. They have become quite a stimulating factor in the success of these affairs, and too much credit cannot be paid them for their assistance. Mr. M. M. Noxon, Ralston-Purina Company, Minneapolis, was the able chairman of their roundelay of events, aided and abetted by his artistic wife who added pleasing and delicate touches so important to the feminine heart.

#### EXHIBITS, SOUVENIRS

**H**ART-CARTER Company, Minneapolis, had quite an impressive exhibit of their cleaner discs, to which one was quickly attracted by a color-changing display which quite intrigued everyone. Weather guides with enclosed thermometers, and notebooks, were generously distributed by Charles Ingram, Victor Reid, H. H. Van Ornum, Al Strutt and Cliff St. Cyr.

Seedboro Equipment Company, Chicago, demonstrated one of the new Brabender Moisture Testers. Charles Phillips was in charge.

The Day Company, Minneapolis, displayed photographs of some of their newer installations. Arthur Osgood, Dave Larson and Clark McElvey distributed handy notebooks.

R. R. Howell Company, Minneapolis, displayed a conveyor roll and a rack of various sized Calumet cups. Lysle Feldman and Walter Kostick were on duty.

Screw Conveyor Corporation, Hammond, distributed literature showing one of their new mechanical developments—a spiral screw lift with geared joints. This new device has many advantageous features which Russell Maas and P. F. MacAllister explained to their ready listeners.

Zeleny Thermometer Company, Chicago, distributed telephone list finders, through S. C. Klaus.

Arco Company, Cleveland, distrib-

uted belt golf tee holders through Mr. Bull and John D. Bolton.

Other Associate Members registered included: Birch Addington, Benjamin Electric Mfg. Company, Des Plaines, Ill.; Hy Arendall, Innis, Speiden & Company, Omaha; Lee Atherton, W. S. Nott Company, Minneapolis; Frank Blodgett and Phil Sheridan, The Weevil-Cide Company, Kansas City; Charles Gemlo, Strong-Scott Mfg. Company, Minneapolis; C. C. Gray and Vic Oliver, Superior Separator Company, Minneapolis; William H. Kent, J. B. Ehrsam & Sons Mfg. Company, Chicago; G. S. McPhee, Hart-Emerson Company, Winnipeg; Grover C. Meyer, Kansas City (Mo.) Power & Light Company; Walter Moraw, American District Telegraph Company, Minneapolis; George Patchin, Appraisal Service Company, Minneapolis; Kent H. Parker, Western Actuarial Bureau, Chicago; Henry and Ingram Richardson, Richardson Scale Company, Clifton, N. J.; James Russell, Midwest Electric Company, Minneapolis; Alfred Shuler, Huntley Mfg. Company, Minneapolis, and T. S. Simmons, McKenzie-Hague Company, Minneapolis. The Wisconsin Grain & Warehouse Commission were represented by J. L. Levens and E. W. Richardson.

It was one mighty successful affair. And now the Society is into its 'teens.

#### LOUISVILLE WIRE

**"D**EEPLY regret not being able to join you. Movement of wheat is on here and I could not get away. Regards to all and good luck for the Society. W. A. Thomson, Jr., W. A. Thomson Grain Elevator Company, Louisville, Ky.

#### HITS TRAIL AGAIN

**L**ENOIR, N. C.—Doing a little traveling. Wheat is being cut near here. Crops look fair, but need rain. Beautiful country hereabouts.—Frank A. Peterson, Norris Grain Company, Baltimore.

#### TOO BUSY TO ATTEND

**W**E are constructing a 3,000,000 bushel temporary storage annex and our regular business is about 50% above normal, which two circumstances combined keep one quite busy as you can imagine.—Jack Smith, Sarnia (Ont.) Elevator Co., Ltd.

**W**E are very busy here at the plant and am also still doing work on the Kenora project, which makes it just about impossible to get away.—Les Irwin, Searle Terminal, Ltd., Fort William.

#### THINKOGRAM

**S**OME supers do not seem to be very co-operative when it comes to becoming active in their own association, but of course that may be our own reflection. It's an old tendency to criticize in others the things we may lack in ourselves.—Harold Wilber, A. E. Staley Manufacturing Co., Decatur, Ill.

#### EXPLOSION!

**T**HE Shaeffer & Son grain elevator at Parker, S. D., exploded on June 17. The blast shook the whole town, but, in spite of its exceptional severity, no one was injured.

#### WHEAT IMPROVEMENT FIELD DAY


**T**HE farm of Paul Uhlmann, President of the Uhlmann Grain Company, Kansas City was the scene of the Kansas Wheat Improvement Association's annual field day recently. Besides the survey of the KWIA's experimental plots on Mr. Uhlmann's farm, there was a big picnic lunch after the meeting.

#### IS THE EAST ALL-WET?

**A**VERAGE rainfall west of the Rockies is 17.9 inches; between the Rockies and the Mississippi, 28 inches; and east of the Mississippi, 43.5 inches. Wise guys can now truthfully tell Easterners to "get dry behind the ears" and to "come in out of the rain."

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united  
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## For CONVEYOR And ELEVATOR BELTING

Especially Made for  
Grain Elevator Conditions

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Head Office and Factories—Toronto, Canada  
Branches in Principal Canadian Cities



## Saboteurs at Work?

**W**ARNINGS were sent to flour millers to adopt extra precautionary measures against suspected sabotage by a special conference of mill mutual fire insurance company managers, who met earlier this month. "Two large mills in the east have just been burned by uncontrollable fires occurring under adjoining railroad trestles," reads the warning. "Exact cause as yet undetermined, but the fact that two identical losses occurred within 24 hours after the emergency proclamation probably is no mere coincidence. FBI has broadcast general sabotage warning. You are urged to take every possible precaution for plant safety."

This warning followed the loss by fire of the Lawrenceburg (Ind.) Roller Mills Company and the mill of the Doughnut Corporation of America at Ellicott City, Md. Repeated explosions of grain dust were set off by high wind swept flames in the million dollar Indiana loss, which was out of control even before the time firemen could reach the blaze. The Doughnut plant blaze did \$3,500,000 damage before being brought under control.

### JERSEY CITY ELEVATOR BURNS

**P**ART of a \$25,000,000 loss was the 1,000,000 bushel Erie grain elevator at Jersey City on May 31st. Starting in the local stockyards, fire traveled rapidly over a highly industrialized area. The week previously a \$100,000 fire loss was suffered on one of the principal piers. The elevator had delivered large quantities of grain to British ships for export in months preceding the blaze. Considerable defense supplies went up in flames as well.

### FIRE TIES UP CANAL

**T**HE Jersey City fire (Erie Railroad Elevator) tied up grain movement of canal barges at New York. This slow-up will back up all the way to Buffalo. The Erie Elevator had 1,200,000 bushel capacity.

### GRAIN MOVEMENT

**T**HIRTY-FIVE THOUSAND, FIVE HUNDRED SIXTY-TWO cars were loaded with Grain and Grain Products for the week ending June 7, 1941. This was an increase of 7,401 cars above the same week last year, and an increase of 1,276 cars above the corresponding week in 1939.

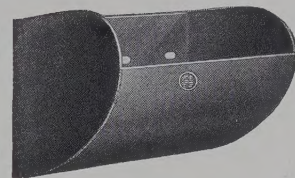
## Prompt Unloading Demanded

**P**PROMPT unloading of carloads of grain is being demanded by the government authorities, terminal and sub-terminal warehousemen co-operating with government agencies to see that space is available for all grain seeking storage. Every inch of room is to be utilized.

# CALUMET CUP

**MOST EFFICIENT AND FASTEST ELEVATING CUP IN THE MARKET.**

**RECOMMENDED FOR  
GRAIN ELEVATORS — FEED  
PLANTS — SOYA BEAN  
PLANTS — MALT HOUSES —  
BREWERIES — SEED PLANTS.**



U. S. Pat. 1944932

**FLOUR MILLS AND FEED MILLS — USE  
OUR VENTED BUCKETS FOR HANDLING  
FLOUR AND SOFT FEEDS.**



Trade Mark Reg. U. S. Pat. Office

**B. I. WELLER**

**SOLE OWNERS of the patent and  
SOLE Licensed Manufacturers in the  
U. S. under this patent.**

**220 W. Chicago Ave., East Chicago, Ind.**

**327 S. La Salle St., Chicago, Ill.**

**THE STRONG-SCOTT MFG. CO., LTD.**  
Toronto WINNIPEG Calgary  
Licensed Manufacturers for the Dominion of Canada

**R. R. HOWELL & CO.,**  
Minneapolis, Minn.  
Northwest Distributors

## 14 Weeks Hours Exemption

**E**FFECTIVE June 14th, fourteen weeks seasonal exemption from the 40-hour work week provisions of the Wages and Hours Law is to be granted terminal, sub-terminal and mill elevator operators. Flaxseed, buckwheat and soybean handling is included.

Under the latest ruling, employees may work up to 12 hours a day or up to 56 hours a week without overtime pay for 14 weeks—not necessarily consecutive—within the harvest period. The exemption applies to office employees doing the work for the elevator as well. Country elevators having 10 or more employees are included. The order is final.

## Out With Forty-Hour Week?

**T**HE possibility of stimulating national defense week by upping the work week to 48 to 50 hours is being considered by Washington. Several exemptions on overtime have already been granted companies engaged in national defense work.

### FIVE YEARS OF BOOM!

**G**ENERAL business outlook is that for five years defense efforts will continue full-blast. After that, is not discussed. A long war is taken for granted. In the light of the Russo-German War, it probably would be best to wait for a few weeks to see how it goes. Russia may be surprisingly strong. If that's the case revision should be made to plan on fifty years—to conquer Russia!

### DROUGHT SPREAD

**T**HE East and Southeast are beginning to feel the effects of drought. Shortages of water, electricity, dairy products and vegetables may ensue.

## Off-Grade Wheat

**A** DANGEROUSLY high percentage of off-grade wheat is being turned out by country elevators in some areas, the Grain & Feed Dealers National Association points out in a recent dispatch to members. Some 970,000 out of a total of 12,512,000 bushels ordered loaded out—8%—is failing to make grade. Causes given are:

- (1) Wheat taken into storage that is too high in moisture content.
  - (2) Mixing of some wet wheat into a bin of dry wheat, causing loss in all or a large part of the bin;
  - (3) Combined wheat ripened unevenly;
  - (4) Presence in combined wheat of small bits of green vegetable matter, including weed tops, etc., which start heating;
  - (5) Filling of all bins so that proper conditioning is difficult or impossible, because no bins are available for turning;
  - (6) Inexperience in storing wheat. Some operators do not carefully watch temperature of grain in bins—do not know how to properly condition, etc., and
  - (7) Over-grading of wheat that comes out of farm storage and which has not been kept in proper condition before delivery.
- "You are responsible for delivery of the grade of wheat called for on your warehouse receipt," the warning continues. "If grain loses grade, your firm loses money."

### WHEAT GRINDINGS UP

40,899,012 bushels of wheat was ground during April, according to a government report. This compares with 39,791,630 bushels in March and 37,077,751 bushels in April of 1940.



## Some Tonnage

1,500,000 bushels a day has been shipped from Fort William and Port Arthur elevators this year, according to vessel men. Wheat shipments of 70 million, a near record, were brought down the lakes up to May 31st for shipment to Great Britain. The heavy movement and reports that seaboard terminals now have ample storage space indicates that British ships have been taking large supplies for the last four months. \$5,000,000 is being expended to add 50,000,000 bushels of temporary frame storage at the Head of the Lakes.

U. S. grain movement also has speeded up, but most of it is government owned and sent to lower lake ports to provide space in Duluth-Superior elevators. Due to the scarcity of bottoms, some package freight boats are operating in the grain trade.

## TEN MILLION BUSHELS HIT KANSAS CITY

THE month of May saw a record-breaking series of shipments into Kansas City totaling more than 10,000,000 bushels of wheat. About a third was government wheat and the rest was shipped in to make room for the new harvest.

## WHEAT YIELDS UNUSUAL

LARGER than anticipated yields are being reported in the Southwest, weather conditions particularly favoring the crop at just the crucial moment. Reports indicate one of the heaviest hard winter wheat crops on record, most of it of excellent quality.

## CORN LOANS

CORN loans under the 1940 loan program on June 14, 1941, numbered 108,394 on 102,136,342 bushels valued at \$62,234,525.37. Repayments to June 14, 1941, were 5,211 loans valued at \$3,112,534.98.

## 1,000,000 ACRES LESS FOR AUSTRALIA

CONTINUED dryness has reduced the Australian crop acreage by over a million bushels. However, plowing and seeding conditions in still-tenable crop lands are very favorable.

## SMALLER WHEAT ACREAGE IN '42

A 7 million acre decrease is planned by the USDA for 1942, according to announcement, bringing the total down to 55 million acres.

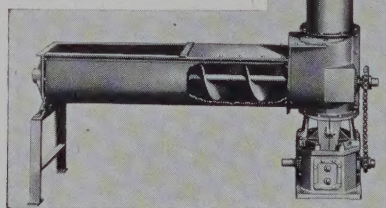
With a prospective carryover of around 500 million bushels expected on July 1, 1942, next year's allotment has been established at the 1939 allotment level—the minimum provided by the law.

"America has about 1½ billion bushels of wheat in sight for the coming year," Administrator R. M. Evans of the AAA reports. "This is enough wheat to last this country nearly two years." [Yes sir, but not the weevils.]

## New Device Has Wide Uses

WANT an extra leg to handle truckloads, to run to the drier, for auxiliary unloading, to run to the cleaning floor—the annex or whatnot? Well, this giraffe-size periscope-looking device is the answer to many wants and needs heretofore impossible. This "Hammond Screw-Lift" is compact, dust-tight, moisture-proof and fool-proof, and might even serve as an auxiliary marine leg with ease. "It's so gentle," say its makers, the Screw Conveyor Corporation of Hammond, "that it will even handle corn flakes, peanuts, and such items without breakage, with low installation and maintenance costs as well as a minimum of space requirements."

The feeder can be arranged to suit any particular need and consists of a horizontal helicoid screw conveyor connected to the Screw-Lift. The Screw-Lift may be



driven from the top or bottom and its entire weight is suspended from a top thrust bearing. Discharge is flexible.

The driving mechanism consists of a totally enclosed lubricated drive unit with forged steel cut-tooth gears. Roller bearings are provided to carry all thrust and radial loads. Additional advantages are dust and weather tightness, as well as precision workmanship. The unit is easy to erect and dismantle, has but few operating parts and the power requirement is but slightly more than for bucket elevators of similar capacity. For data as to maximum lifts and capacities, write to the manufacturer at 707 Hoffman Street, Hammond, Ind.

## HIGH-POWERED FINANCE

COSTLY: A colored woman who had received a three-cent (3c) check for participation in the A.A.A. farm program was told at a Greenville, S. C., bank it would cost her 10 cents to cash it. She appealed to the county agent. He gave her three pennies for the check.

## POPCORN WRECKS BUILDING!

GOVERNMENT popcorn got so disgusted with the way that it was being handled that it POPPED! Result: Empire Storage & Ice Company's five story brick building at Kansas City, Mo., was partially wrecked.

## URGE INCREASE OF FLAX ACREAGE

ANTICIPATED increases in the uses of drying oil and the shut-off of normal imports may necessitate more flax acreage to supply the demand domestically.

Flax acreage can be increased under the present Agricultural Conservation Program by shifting acreage from other soil-depleting crops or by matching flax-planted acres with perennial legume-planted acres. Prices of fats, oils, and oilseeds have already risen.

## EMPLOYMENT BUREAU

A confidential, complimentary service. Address your inquiries to "GRAIN", Board of Trade, Chicago

## Positions Wanted

Grain Inspector:—Experienced, ambitious grain inspector seeks connection with grain or processing plant. Employed at present but not in his favored work. Best of references. Address 39R1.

Superintendent-Buyer:—Experienced in handling all varieties of wheat and coarse grains, domestic, milling and export. Specialized in barley, oats and rye past three years. Go anywhere. Best of references. Address 39M1.

Millwright:—Thoroughly capable and experienced. Handle any size job. Willing and reliable. Address 39M2.

## Positions Available

Construction Superintendent:—Give experience and references, salary and availability to work in So. America. Address 39M3.

Elevator Superintendent:—Opening in South American million bushel corn plant. Would expect contract for term of years. Advise monthly compensation (American money) expected. State experience, give references, age, etc. Address 39M4.

## WANTED — FOR SALE

Watch These Columns for Real Buys, and Turn Your Own Non-Productive Equipment Into Cash.

Rates: 5c Per Word, \$1 Minimum. Blind Ads 25c per Insertion Extra.

## For Sale

Two slightly used "Monitor" style "B," size No. 15 automatic barley separators with 3,000 bushels capacity per hour on coarse screen and 1,700 bushels capacity per hour on fine screen. In good operating condition, ready to set up and use immediately. Bargain. Write 49D1, c/o "GRAIN."



## Vincent Shea Elected

VINCENT SHEA, Van Dusen Harrington Company, was elected President of the Minneapolis Chapter of the Supers' Society at a recent meeting. Mr. Shea succeeds F. Maynard Losie to this honor.

Succeeding Mr. Shea as Vice President is C. C. Bach, Twin City Trading Company. James Auld, Hales & Hunter Company, remains as Secretary-Treasurer.

The Chapter is receiving widespread compliments on their handling of the recently adjourned annual convention of the Society.

### HELP! HELP! HELP!

Did you notice to whom this copy of "GRAIN" was addressed?

Was the name, plant, firm, and street address *exactly* right?

Does the boss receive a copy? If not, what is his address? Anyone else who should be receiving "GRAIN" regularly?

Transfers, promotions, retirements and deaths make many changes in the personnel of a business, and as we are interested in keeping our mailing list as nearly correct and up-to-date as humanly possible, we shall appreciate being informed whenever you find that the address we are using is no longer correct.

Help us, please, to keep our records straight! A post card is enclosed which requires no postage. Thank you.—Editor.

## On Grounded Legs

IT occurs to me that it may be possible to install a thin, flexible, conducting ribbon on the surface of the belt connected to buckets, at the line of contact between the buckets and the belt, in such a way that static charges would be equalized and could be grounded through contact with the head pulley. There are many subjects your association could well arrange to handle because most of them have had plenty of practical experience.—Hylton R. Brown, Senior Engineer, Bureau of Mines, U. S. Department of the Interior, Pittsburgh.

### Legs Grounded!

THE interested parties have no one to blame for it but themselves! Had sufficient "squawk" been raised, it is doubtful if the N.F.P.A. would have passed the leg grounding standard. However, there is an interval of a year in which this subject remains as it were under trial. Elevator Superintendents and Operators interested in seeing this item eliminated from the N.F.P.A.'s standards had best write to the National Fire Protection Association, 60 Batterymarch Street, Boston, Mass.

## Elect New Officers

THE Soybean industry really came into its own this month, when the Chicago Chapter of the Superintendents' Society elected their top three officers from that industry. This is the first time these posts have not been filled with an assorted representation of the grain handling, feed manufacturing, flour milling, starch, linseed, malt, yeast or other kindred industries,—but soybeans it is now.

Louis Ambler, Jr., of The Glidden Company is new president, succeeding Mr. Chester J. Alger, Corn Products Refining Company, capable head of this unit for the past three years.

Gordon Laugen, Archer-Daniels-Midland Company, succeeds Mr. Ambler as first vice president, and Director E. R. Anderson of Norris Grain Company's soybean plant moves up into Mr. Laugen's second vice presidency berth.

C. Gibson Franks, formerly with Albert Schwill & Co., now with the Carnegie-Illinois Steel Company temporarily, has been the capable secretary the past year, but now the post goes to Frederick Laugenslaurer Beakey of Grain & Feed Journals.

New Directors include: E. A. Josephson of Albert Schwill & Co.; Frank Crombie, Continental Grain Co.; Milton M. Martin, Vitality Mills, Inc.; P. F. McAllister, Screw Conveyor Corp., and Phil Grotevant, S. Howes Company. The selection of the Chapter's several active committees will be made shortly by the new executive board.

### Chapter on First Picnic

TAKING a leaf from the book of the Kansas City Chapter, the Chicago group of 53 members plan their first summer outing on July 12th at Twin Lakes, Wis., a nearby resort with all sports offered. This pictur-

## Defense Savings Bonds and Stamps

HELP Uncle Sam out once more by buying Defense Savings Bonds and Stamps! On top of being a good investment, it's patriotic. Your postoffice can sell you bonds or stamps in denominations from 25c to \$10.00.

esque spot is largely owned by one of the Chapter's members, Mr. William Radke, feed department manager of Corn Products Refining Company.

Golf, horse shoes, et al, are scheduled, President Ambler arranging a regular tournament within the ranks of the group—plus the press. Inasmuch as their wives will attend and most of the crowd will arrive on Friday evening, much hard shooting is expected on the golf course, horseshoe courts, etc.

### GOLF TOURNAMENT

THE PEAVEY COMPANY, Van Dusen Harrington Company and the King Midas Flour Mills held their annual golf tournament of the executives and office staffs at the Minnetonka Golf Club on June 15.

### SUMMER DAZE!

THE owner of an Illinois plant recently closed his plant so the men could fish on the first day of the season. It made the front page of a Chicago Daily. They've got nothing on Hart-Carter Company. For years this company has closed the entire plant for one week in June so all of the employees might have their vacations at the same time. Shipments are suspended except for those classified as emergency. Actually the system is very simple and does away with confusion and expense.

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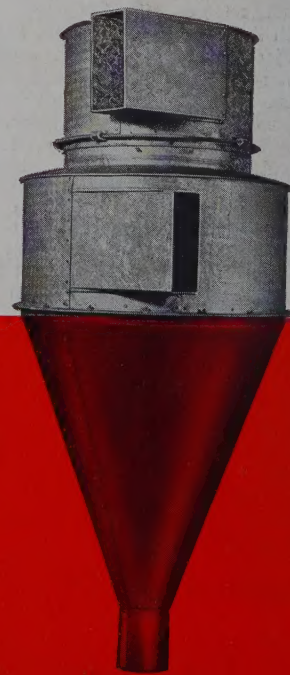


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